



# FEEDLINE



BULLETIN OF THE CANTON AMATEUR RADIO CLUB  
Affiliated with the "American Radio Relay League"

MARCH....1990

PRES - Joe Vignos	WIFEZ	SECY - Sandy Shrigley	KB8FZX
VICE PRES - Frank Dearman	WBTUY	EDITOR - Bill Parks	KBJZN
TREAS - Larry Schmader	K8RMY	ASST - Mickie Parks	XYL
Trustees			
Kay McCune	W8LNK	Myron Koyle	N8DHT
Randy Phelps	KD8JN	Robert Carswell	K8BMNS
Dave Ost	W8BPTU	Craig Stucker	N8KNW

The C A R C meets the third Wednesday of the month at 7:30 PM.

NEXT MEETING IS MARCH 21ST at the EMERGENCY PREPAREDNESS CENTER.

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## STARK COUNTY AMATEUR RADIO DIRECTORY

The new 1990 Stark County Amateur Radio Directory, was introduced at the February CARC meeting. It lists 925 Amateur calls, with names, complete addresses and phone numbers, with a cross reference index listed by name, so you can find the Amateur's call when you only remember their name. This directory is about the most useful accessory for your ham shack.

Full and Sustaining members of the Canton Amateur Radio Club get their directory free, but they have to make arrangements to pick their copy up from Bill KBJZN. With three units of postage and the 6" X 9" envelope, the cost to mail the directory is \$.70. If full member wishes to have their copy mailed to them, send a 6" X 9" envelope with \$.65 postage to Bill or a check for \$.70. Sustaining members that have not picked up their copy by the March meeting, will receive their copy in the mail compliments of CARC. Others can obtain a copy thru the mail by sending a \$1.00 donation, plus the \$.70 for the mailing cost. They can also see Bill and save the cost of the mailing.



Extra copies for members and others can be obtained for the \$1.00 donation from Bill K8JZN.

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#### VOLUNTEER EXAM SESSION

On Saturday February 24th, Dick Stellarini W8BVUN and his team of helpers, had another successful exam session.

A total of 23 took the various tests, with 16 upgrading for a 70% pass rate, which is very good. Stark County Amateurs that were successful were: Steve Nevel W8MIJ to Advanced, Tim Whitehouse W8TVI to Advanced, Jim Miller to Technician, Mark Warrington from no license to Technician, Mark Deffenbaugh from no license to Technician and newly licensed Gregory McInnes K8BJBP to Technician. That makes a total of two new Extra Class, three new Advanced Class, three new General Class and eight new Technician class Amateurs in our area.

The three Volunteer Examiners for this session, were Dick Stellarini W8BVUN, Frank Paprzycki KE8G and Scott Duncan KK8D doing the paper work, and Art W8FEC, Paul NM8Q, John NM8K, John K8BNR, Stan NN8M assisting in the testing room and Julius K8BXD, Judy N8AIM and Kay W8LNK doing the registering as the examinees arrived.

Congratulations to the successful and better luck the next time for those that did not make it this time.

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#### INTERFERENCE TO COMMUNICATIONS

In early 1989, the Ohio Congress enacted the following into law, to make it a felony for anyone interfering with public service and safety forces, while they are performing their duties.

#### FROM OHIO CRIMINAL CODE

##### Section 2909-04: Disrupting Public Service

(A) No person, purposely by any means, or knowingly by damaging or tampering with any property, shall do any of the following:

(1) Interrupt or impair television, radio, telephone, telegraph, or other mass communications service, or radar, loran, radio, or other electronic aids, to air or marine navigation or communications, or AMATEUR or citizen band radio communications, being used for public service or emergency communications;

(2) Interrupt or impair public transportation, including without limitation, school bus transportation, or water supply, gas, power, or other utility service to the public;

(3) Substantially impair the ability of law enforcement officers, firemen, or rescue personnel to respond to an emergency, or to protect and preserve any person or property from serious physical harm.



(B) Whoever violates this section is guilty of disrupting public services, a felony of the third degree.

Felony 3 is punishable by confinement of 1, 1 1/2, 2, 3 to 10 years, with a maximum fine of \$5000.

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#### TO THE CANTON AMATEUR RADIO CLUB

We wish to THANK YOU for your kind expression of sympathy on the loss of Chuck - KBMZS. The phone calls, cards and offers of assistance, are most gratifying and appreciated.

Shirley KBMZT & Family

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#### TORNADO AWARENESS WEEK

The National Weather Service has announced that the week of March 25th through the 31st here in Ohio, will be Tornado Safety Week.

On Wednesday March 28th, at 10:10 AM in the morning, a statewide tornado Drill will be held. Sirens will sound and as Amateur Radio Operators, the Skywatch Nets will be activated and everyone is urged to check in giving your call and county.

As a reminder, when the weather threatens, the following information should be reported to the National Weather Service. Information they need is:

- 1- Tornado on the ground or funnel cloud aloft.
- 2- Wind damage from any storm. (Trees down, wires down, etc.)
- 3- Hail dime size or larger.
- 4- Winter storms. (Ice storms, snow of 4 inches or more)
- 5- Other: Any other weather related information you might think would help the weather service.

This information will determine if they should issue a Severe Storm Warning, Severe Thunderstorm Warning or possibly a Tornado Warning.

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#### CARNATION MALL SHOW

The Alliance Amateur Radio Club will sponsor their annual Amateur Radio Show at the Carnation Mall on Saturday April 7th and Sunday April 8th, during regular mall hours.

If you have ever attended one of their previous shows, you know it is very professionally put together and introduces the public to all of the modes of our wonderful hobby. There will be Phone Stations, CQ Station, RTTY, Packet Radio, ATV (Amateur Television), Weather Fax, Repeater info and you name it and there will be someone there to explain what it is all about and show the interested party.

On Saturday, April 7th, there will be a representative from the



Detroit Office of the FCC to explain their function and answer any questions the attending Amateurs and the public have about what is in store for us in the future. He is scheduled to be there between 11 AM and Noon.

Then Mark Koontz, TV Channel Eight Weather man, will be there from Noon till 2 PM to explain more about severe weather and the Amateur Radio function in being the eyes for the National Weather Service during severe weather. This provides a very valuable service to the public, so the weather service can issue a warning when severe weather threatens life and property.

If you attend and sign in that you attended the Mall Show, they will issue you a very nice card and hope you will stick around and help explain Amateur Radio to the public as they pass by.

Plan now to attend on Saturday April 7th and Sunday April 8th. See you at the Amateur Radio Show at Carnation Mall.

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#### GUANTANAMO BAY CUBA

The program for the February CARC meeting, was about the Naval and Marine Base at Guantanamo Bay Cuba. Dave Buckwalter KC3CL, President of the Alliance Amateur Radio Club, told us all about the base. Dave is an Instructor and spends two weeks on the base, about every year, training the Naval Personnel in his specialty.

Having been there several times, he has many slides and statistics. Did you know that the base is split by two and a half mile of water. All ship traffic, including the Russian Naval Ships, must travel through the naval base, to get to the port city of Guantanamo Cuba. From the lookout towers, all activity out side the base, as well as all ship traffic through the bay, is logged by the lookouts. Most of the civilian workers live on the base and are Jamaicans. They have their own water purification plant to purify ocean water for their needs. They are a self contained base and are completely isolated and independent from Cuba for any needs. They now have phone service to the states, after relying on radio for their communications for many years.

Dave is returning this year and will be operating, using his call KG4CL, near 14.255, 21.355 or 28.355. He hopes to be free to operate after 6 PM and on weekends. On his trip two years ago, in the two weeks he made over 1500 contacts. He knows what it is like on the other end of a DX contact. How would you like to be his QSL manager?

Our THANKS to Dave for the fine informative program. Dave has been put on the FEEDLINE mailing list for this year, as a courtesy for his program.

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FOR SALE - Complete Drake station consisting of the Drake Twins, the R4B receiver, T4XB Transmitter, Power Supply, Speaker, Digital Readout and a Shure Base Mic SB44. Recently factory refurbished with new final tubes. Like new condition with manuals. Call Chuck N8LIV on 494-9005.



## FEBRUARY CARC MEETING MINUTES

The February 21st regular meeting of the Canton Amateur Radio Club, was called to order by Vice President Frank Dearman W8TUY, at 7:32 PM, at the Emergency Preparedness Center.

The normal round of introductions was skipped in order to provide more time for the evening's speaker Dave Buckwalter KC3CL. The check-in sheet showed 48 members and 2 guests in attendance.

Frank W8TUY received a letter from Ed Cox. Ed wishes to stop the recent rumor that there will be no room for the Canton Amateur Radio Club when the 911 Emergency Service is up and running. Ed says that this is absolutely untrue and the club meeting room will remain untouched.

There were no additions or corrections to the minutes of the January meeting and they were approved as published.

A letter was received from Joanne Solak KJ30, our Ohio-Affiliated Club Coordinator. This is to bring us up to date on the items discussed during a conference of Ham Radio Leaders of the Great Lakes Division (Ohio, Michigan and Kentucky) conducted by Division Director Al Severson AB8P on the 6th and 7th of January. Items discussed were malicious interference, relationship of the Hams and the FCC, communications within the Division, the No-Code Proposal and the finances of the ARRL.

The twelfth annual Madison Hamfest will be held Sunday March 25th 1990, at the Madison High School, in Madison Ohio, from 8 AM to 3 PM. This is an all-indoor event, including flea market, VE exams, Commercial Exhibits and raffle. For more information, contact the LCARA Hamfest at (216) 257-2036.

The club also received notice of the 12th annual Triple States Amateur Radio Club's Hamfest, on Sunday May 20, 1990 in Wheeling West Virginia.

Larry Schmader K8RMY, reported the club has \$2600.00 on hand and \$4000.00 in a CD. The club roster now stands at 204 members.

Bill Parks K8JZN, reported that the new 1990 Stark County Directories are back from the printer. These are free to Full and Sustaining members and available to non-members for a donation of \$1.00. The Directory includes 925 listings for the 839 Hams in Stark County.

Myron Koyle N8DHT, reported on the Emergency Communications Trailer Project. A lunch meeting has been set for February 27th with Bill Parks, Frank Dearman, Ed Cox and Myron Koyle. The purpose of this meeting is to define, in detail, the Communications Requirements of the Emergency Coordinator that we would be expected to provide.

Myron also reported on Kickoff Sunday. This year's theme will be "A Touch of Class". The race has been changed from last years 5 kilometers to 10 kilometers, in an effort to upgrade the race. The longer race will mean a new course and more hams will be needed to provide communications.



Ken Simpson WBEK, reported on the No-Code Proposal by the FCC. The proposal would eliminate the Novice and Technician Classes. The FCC promises that no one will lose privileges. The Communicator Class test would be 60 questions combining the Novice and Tech Tests and adding five more questions.

Pam Meyers NBIK, reported the Alliance Amateur Radio Club's May 3rd, 1990 drawing is approaching and tickets are still available.

The 50/50 drawing was won by Jack Wade NBLCS. Jack received \$18.50

On a motion by Jerry Shrigley K8AHF, the meeting adjourned at 7:53 PM.

Respectfully submitted by,  
Sandy Shrigley KB8FZX  
CARC Secretary

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PREZ FEZ SEZ

Well here we are back in the land of cold after an extremely enjoyable and warm February in "W4" land, more specifically Fort Meyers, FL. While it is great to have a change in climate, it is always nice to get home and see the old homestead and to renew acquaintances via eye balls and QSO's. Bill K8JZN, was kind enough to forward this month's FEEDLINE to me so that I could keep up with the doings in the club. I was sorry to see the news of our latest SILENT KEYS and send our condolences to their families.

I took my 2M handheld along and checked into two of the nets in Ft. Meyers. They have a traffic net on every morning at 10 AM on their ARES repeater and a Club Repeater net on Monday evening, followed by a SWAP SHOP. The club there was around 350 members from all over the country and make our CARC seem like a group of youngsters. I also had a few QSO's, while on the Interstate Highways and have a pretty good list compiled on accessible repeaters between here and there.

All reports on the February meeting have been very positive and our thanks go to Frank W8TUY and to Dave Buckwalter KC3CL, for making that possible.

SIG's (Special Interest Groups) will be near the top of my agenda in the next few months. In last month's FEEDLINE, I reported on the projects with the most support and will be getting together with members who have expressed interest in getting some new activity started. I also, as promised, will continue to keep after all members who haven't turned in our "Project Sign-up Sheets".

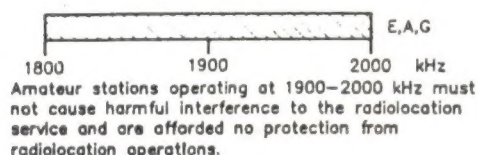
So, let's try and shake off the winter chill and swing into an active Spring session of "hamming". I'm looking forward to seeing you Wednesday night at our March Club Meeting.

73's  
THE FEZ

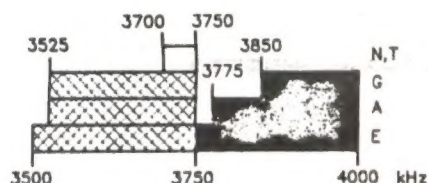


# Frequency Allocation Chart

## 160 METERS

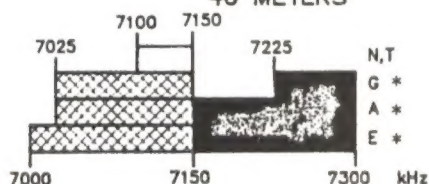


## 80 METERS



5167.5 kHz (SSB only): Alaska emergency use only.

## 40 METERS



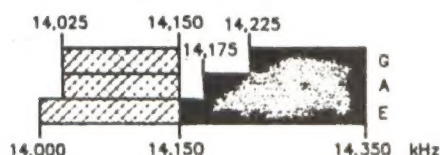
\* Phone operation is allowed on 7075-7100 kHz in Puerto Rico, US Virgin Islands and areas of the Caribbean south of 20 degrees north latitude; and in Hawaii and areas near ITU Region 3, including Alaska.

## 30 METERS



Maximum power on 30 meters is 200 watts PEP output. Amateurs must avoid interference to the fixed service outside the US.

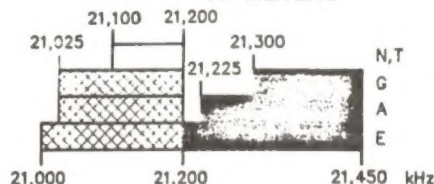
## 20 METERS



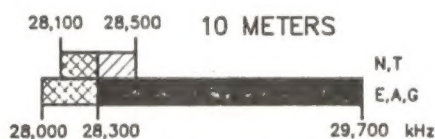
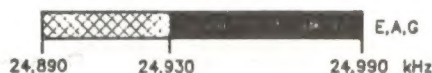
## 17 METERS



## 15 METERS

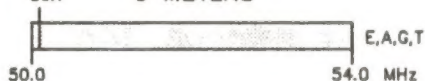


## 12 METERS

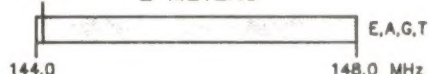


Novices and Technicians are limited to 200 watts PEP output on 10 meters.

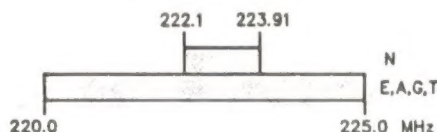
## 6 METERS



## 2 METERS



## 1.25 METERS



Novices are limited to 25 watts PEP output from 222.1 to 223.91 MHz.

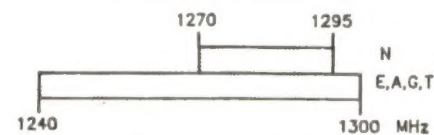
## 70 CENTIMETERS



## 33 CENTIMETERS



## 23 CENTIMETERS



Novices are limited to 5 watts PEP output from 1270 to 1295 MHz.

# US AMATEUR BANDS

Revised November 15, 1989

### US AMATEUR POWER LIMITS

At all times, transmitter power should be kept down to that necessary to carry out the desired communications. Power is rated in watts PEP output. Unless otherwise stated, the maximum power output is 1500 W. Power for all license classes is limited to 200 W in the 10,100-10,150 kHz band and in all Novice subbands below 28,100 kHz. Novices and Technicians are restricted to 200 W in the 28,100-28,500 kHz subbands in addition, Novices are restricted to 25 W in the 222.1-223.91 MHz subband and 5 W in the 1270-1295 MHz subband.

Operators with Technician class licenses and above may operate on all bands above 30 MHz. For more detailed information see The FCC Rule Book.

### KEY

- = CW, RTTY and data
- = CW, RTTY, data, MCW, phone and image
- = CW, phone and image
- = CW and SSB
- = CW, RTTY, data, phone, and image
- = CW only

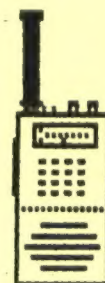
E = AMATEUR EXTRA  
A = ADVANCED  
G = GENERAL  
T = TECHNICIAN  
N = NOVICE

















# APRIL 1990 CANTON ARC



S	M	T	W	T	F	S
1  MUTUAL AID NET SET CLOCKS AHEAD ONE HOUR	2	3 ARES 7PM SDXA 8PM	4  CFARC WB8VUN ANNI K8MZS BD	5  ESCARES 9PM TUSCO RC ALLN RC K89MHZ ANNI	6 MARC 8PM	7 CARNATION MALL AMATEUR RADIO SHOW
8 MUTUAL AID NET CARNATION MALL AMATEUR RADIO SHOW	9 ELYRIA RC	10  ARES 7PM N8LAX BD TRUSTEE'S MTG	11	12 ESCARES 9PM GARC	13  WD8AYC BD W8WNU BD	14 LOST BICYCLE TOUR
15  MUTUAL AID NET K18D ANNI EASTER	16  NOARS WD8LFM & K8BNF ANNI	17 ARES 7PM B&W RC	18  CARC 7:30PM CFARC WD8OIZ BD	19 ESCARES 9PM TUSCO & SARA	20	21  GOODYEAR VE EXAMS K8BNF BD
22 MUTUAL AID NET NORTH OLMSTED HAMFEST	23  WD8MBN BD	24 ARES 7PM LEARR	25 PORTAGE RC	26 ESCARES 9PM	27 DAYTON HAMVENTION	28 DAYTON HAMVENTION
29 MUTUAL AID NET DAYTON HAMVENTION	30					